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Water Supply Outlook For Nevada



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SOIL CONSERVATION SERVICE
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Cooperating with

NEVADA DEPARTMENT of CONSERVATION
AND NATURAL RESOURCES
DIVISION OF WATER RESOURCES

AS OF
OCT. 1, 1982

TO RECIPIENTS OF WATER SUPPLY OUTLOOK REPORTS:

Most of the usable water in western states originates as mountain snowfall. This snowfall accumulates during the winter and spring, several months before the snow melts and appears as streamflow. Since the runoff from precipitation as snow is delayed, estimates of snowmelt runoff can be made well in advance of its occurrence. Streamflow forecasts published in this report are based principally on measurement of the water equivalent of the mountain snowpack.

Forecasts become more accurate as more of the data affecting runoff are measured. All forecasts assume that climatic factors during the remainder of the snow accumulation and melt season will interact with a resultant average effect on runoff. Early season forecasts are therefore subject to a greater change than those made on later dates.

The snow course measurement is obtained by sampling snow depth and water equivalent at surveyed and marked locations in mountain areas. A total of about ten samples are taken at each location. The average of these are reported as snow depth and water equivalent. These measurements are repeated in the same location near the same dates each year.

Snow surveys are made monthly or semi-monthly from January 1 through June 1 in most states. There are about 1900 snow courses in Western United States and in the Columbia Basin in British Columbia. Networks of automatic snow water equivalent and related data sensing devices, along with radio telemetry are expanding and will provide a continuous record of snow water and other parameters at key locations.

Detailed data on snow course and soil moisture measurements are presented in state and local reports. Other data on reservoir storage, summaries of precipitation, current streamflow, and soil moisture conditions at valley elevations are also included. The report for Western United States presents a broad picture of water supply outlook conditions, including selected streamflow forecasts, summary of snow accumulation to date, and storage in larger reservoirs.

Snow survey and soil moisture data for the period of record are published by the Soil Conservation Service by states about every five years. Data for the current year is summarized in a West-wide basic data summary and published about October 1 of each year.

**COVER PHOTO: LONE CONE, NEAR NORWOOD, COLORADO, BLANKETED BY
ITS WINTER MANTLE OF SNOW.**

PUBLISHED BY SOIL CONSERVATION SERVICE

The Soil Conservation Service publishes reports following the principal snow survey dates from January 1 through June 1 in cooperation with state water administrators, agricultural experiment stations and others. Copies of the reports for Western United States and all state reports may be obtained from Soil Conservation Service, West Technical Service Center, Room 510, 511 N.W. Broadway, Portland, Oregon 97209.

Copies of state and local reports may also be obtained from state offices of the Soil Conservation Service in the following states:

STATE	ADDRESS
Alaska	Room 129, 2221 East Northern Lights Blvd., Anchorage, Alaska 99504
Arizona	Room 3008, Federal Building, 230 N. First Ave., Phoenix, Arizona 85025
Colorado (N. Mex.)	P. O. Box 17107, Denver, Colorado 80217
Idaho	Room 345, 304 N. 8th St., Boise, Idaho 83702
Montana	P. O. Box 98, Bozeman, Montana 59715
Nevada	P. O. Box 4850, Reno, Nevada 89505
Oregon	1220 S. W. Third Ave., Portland, Oregon 97204
Utah	4420 Federal Bldg., 125 South State St., Salt Lake City, Utah 84138
Washington	360 U.S. Court House, Spokane, Washington 99201
Wyoming	P. O. Box 2440, Casper, Wyoming 82602

PUBLISHED BY OTHER AGENCIES

Water Supply Outlook reports prepared by other agencies include a report for California by the Snow Surveys Branch, California Department of Water Resources, P. O. Box 388, Sacramento, California 95802 --- for British Columbia by the Ministry of the Environment, Water Investigations Branch, Parliament Buildings, Victoria, British Columbia V8V 1X5 --- for Yukon Territory by the Department of Indian and Northern Affairs, Northern Operations Branch, 200 Range Road, Whitehorse, Yukon Territory Y1A 3V1 --- and for Alberta, Saskatchewan, and N.W.T. by the Water Survey of Canada, Inland Waters Branch, 110-12 Avenue S.W., Calgary, Alberta T3C 1A6.



WATER SUPPLY OUTLOOK FOR NEVADA

and
FEDERAL - STATE - PRIVATE COOPERATIVE SNOW SURVEYS.

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In Cooperation with
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*ALL AVERAGES ARE FOR 1963-77.

WATER SUPPLY OUTLOOK FOR NEVADA

*
* STREAM FLOWS ACROSS THE STATE WERE EXCELLENT ALTHOUGH SOME MANAGEMENT *
* PROBLEMS DID OCCUR DUE TO EXCESSIVE RUNOFF IN CERTAIN AREAS. *
*

* THE SEVEN MAJOR RESERVOIRS WHICH PROVIDE WATER FOR IRRIGATION IN NEVADA *
* CONTAIN 661,000 ACRES OF WATER AS COMPARED TO 183,000 ACRE FEET OF WATER *
* IN 1981 AND 604,000 IN 1980. *
*

The eastern slope of the Sierra was the beneficiary of excellent streamflows which ranged from 150 percent of average on the Truckee River at Farad, California, to 212 percent of average on the Carson River near Fort Churchill. Lake Tahoe Rise was 2.38 feet for April 1 to high elevation. The rise is 168 percent of average and the current storage in Lake Tahoe is the highest recorded since October 1, 1975.

The East Carson and West Carson flowed 149 and 172 percent of average respectively, but flows downstream were much higher than average due to the addition of snowpack late in the year and at low elevation. The Carson River at Carson City, and Carson River at Fort Churchill both downstream from the above stations were 200 and 212 percent of average respectively.

The Walker River System also had excellent streamflow at 174 percent of average on the East Walker and 169 percent of average on the West Walker. Bridgeport and Topaz reservoirs are well above average at 219 and 242 percent of average.

The Humboldt River at Palisade had an April-July streamflow of 335,000 acre-feet which was 152% of average. This streamflow was almost ten times that observed for the same time period in 1981. Storage in Rye Patch reservoir was 131% of average on October 1.

A comparison is shown for the Truckee-Tahoe Basins for the past eight years.

TAHOE-TRUCKEE BASINS

Year	Percent Snow Water as of April 1	Truckee River at Farad April 1-July 31 (1,000 acre-feet)	Lake Tahoe Stage Rise in Feet* April 1 to High Elev.	Reservoir Storage** (1,000 acre-feet) April 1 October 1	
1982	149	409	2.38	587	661
1981	60	95	.54	553	183
1980	134	355	1.86	458	604
1979	87	177	1.13	237	215
1978	128	318	1.37	188	253
1977	33	51	.31	208	42
1976	47	59	.21	668	398
1975	158	367	1.92	756	785
1963-77 Average	100	273	1.42	653***	626***

* One foot of rise equals approximately 122,000 acre-feet.

** Total of useable storage in Lake Tahoe, Boca, Stampede and Prosser Reservoirs.

*** Stampede and Prosser Reservoirs have 7 and 14-year averages, respectively, included in this total.

Lake Tahoe useable storage is between the elevations of 6,223.0 and 6,229.1 feet. The October 1 level was 6,224.51 feet. The high elevations attained each year since 1975 are:

June 24, 1982 - 6,228.98 feet
 June 8, 1981 - 6,226.53 feet
 July 20, 1980 - 6,227.32 feet
 June 11, 1979 - 6,225.15 feet
 June 11, 1978 - 6,225.20 feet
 June 11, 1977 - 6,224.22 feet
 May 23, 1976 - 6,227.04 feet
 July 16, 1975 - 6,228.60 feet

APRIL - JULY 1982
NEVADA STREAMFLOW FORECASTS
AND
OBSERVED STREAMFLOW

The following table contains April-July forecasts made during the past winter. Observed streamflow quantities are provisional as furnished by the U.S. Geological Survey.

FORECAST STREAMS	APRIL-JULY STREAMFLOW (1,000 acre-feet)						
	FORECAST				OBSERVED	AVERAGE	OBSERVED
	Feb 1 1982	Mar 1 1982	Apr 1 1982	May 1 1982	1982	1963-77	1982 as % of 15-year average
TRUCKEE RIVER							
Little Truckee above Boca, CA ^{1/}	120	110	120	165	139	87	160
Truckee River at Farad, CA ^{1/}	309	330	380	515	409	273	150
Lake Tahoe Rise, CA ^{3/}	2.05	1.80	2.00	2.80	2.38	1.42	168
CARSON RIVER							
E. Carson nr Gardnerville, NV	270	245	265	320	278	187	149
E. Carson nr Gardnerville, NV (Date of 200 cfs flow)	-	7/31	8/9	8/20	8/19	7/24	-
(Date of 500 cfs flow)	-	-	7/19	7/28	8/1	6/28	-
W. Carson at Woodfords, CA	80	70	80	92	91	53	172
Carson nr Carson City, NV	275	255	280	350	366	183	200
Carson nr Ft. Churchill, NV	255	235	250	310	354	167	212
WALKER RIVER							
E. Walker nr Bridgeport, CA ^{2/}	105	95	105	115	120	69	174
W. Walker below Little Walker nr Coleville, CA	220	200	230	245	247	146	169
HUMBOLDT RIVER							
Humboldt R. at Palisade, NV	270	260	320	320	335	221	152

^{1/} Corrected for storage above station.

^{2/} April-August flow, corrected for storage.

^{3/} Maximum rise in feet from April 1, assuming gates closed.

RESERVOIR STORAGE STATUS

October 1, 1982

BASIN AND STREAM	RESERVOIR	USABLE CAPACITY (1,000 acre-feet)	USABLE STORAGE (1,000 acre-feet)			
			1982	1981	1980	15-Year Average 1963-77
Owyhee	Wild Horse	72	54	23	49	28
Lower Humboldt	Rye Patch	172	143	70	173	109
Colorado	Mohave	1,810	1,419	1,475	1,445	1,413
Colorado	Mead	26,159	22,773	21,873	23,637	17,248
Tahoe	Tahoe	732	661	183	412	456
Truckee	Boca	41	34	28	30	20
Truckee	Prosser	30*	21	13	14	14**
Truckee	Stampede	220	185	71	145	136**
Carson	Lahontan	291	199	44	168	138
West Walker	Topaz	59	46	7	28***	19
East Walker	Bridgeport	42	35	3	23	16

* Flood control use allocation of 20,000 acre-feet between November 1 and April 10.

** Prosser storage began 1/30/63; Stampede storage began 8/1/69.

PRECIPITATION (Inches)

BASIN AND PRECIPITATION GAGE LOCATION	ELEVATION	PERIOD OF MEASUREMENT	CURRENT RECORD		PAST RECORD
			ACCUM. PRECIP. FOR THE PERIOD	ACCUM. PRECIP. SINCE 10/1/81	ACCUM. PRECIP. PREVIOUS YEAR
TAHOE-TRUCKEE					
Big Meadows	8,300	5/01/82 - 5/31/82	0.6	48.6	----
		6/01/82 - 6/30/82	5.0	53.6	----
		7/01/82 - 7/31/82	0.4	54.0	----
		8/01/82 - 8/31/82	0.4	54.4	----
		9/01/82 - 9/30/82	5.4	59.8	----
Echo Peak (CA)	7,800	5/01/82 - 5/31/82	0.3	81.5	30.7
		6/01/82 - 6/30/82	1.8	83.3	30.9
		7/01/82 - 7/31/82	0.5	83.8	31.0
		8/01/82 - 8/31/82	1.6	85.4	31.3
		9/01/82 - 9/30/82	5.7	91.1	31.8
Fallen Leaf (CA)	6,240	5/01/82 - 5/31/82	0.4	56.1	----
		6/01/82 - 6/30/82	0.9	57.0	----
		7/01/82 - 7/31/82	0.2	57.2	----
		8/01/82 - 8/31/82	0.6	57.8	18.6
		9/01/82 - 9/30/82	4.1	61.9	19.6
Hagan's Meadow (CA)	8,000	5/01/82 - 5/31/82	0.5	48.6	21.0
		6/01/82 - 6/30/82	0.9	49.5	21.0
		7/01/82 - 7/31/82	0.4	49.9	21.2
		8/01/82 - 8/31/82	0.5	50.4	21.4
		9/01/82 - 9/30/82	1.7	52.1	21.9
Heavenly Valley (CA)	8,800	5/01/82 - 5/31/82	1.0	46.4	22.1
		6/01/82 - 6/30/82	1.8	48.2	22.1
		7/01/82 - 7/31/82	0.5	48.7	22.1
		8/01/82 - 8/31/82	0.5	49.2	22.1
		9/01/82 - 9/30/82	4.2	53.4	22.5
Independence Camp (CA)	7,000	5/01/82 - 5/31/82	0.7	65.7	22.7
		6/01/82 - 6/30/82	0.7	66.4	23.3
		7/01/82 - 7/31/82	0.7	67.1	23.6
		8/01/82 - 8/31/82	0.1	67.2	23.6
		9/01/82 - 9/30/82	5.0	72.2	24.2
Independence Creek (CA)	6,500	5/01/82 - 5/31/82	0.5	61.6	22.5
		6/01/82 - 6/30/82	0.5	62.1	22.9
		7/01/82 - 7/31/82	0.3	62.4	22.9
		8/01/82 - 8/31/82	0.1	62.5	22.9
		9/01/82 - 9/30/82	4.2	66.7	23.4
Independence Lake (CA)	8,450	5/01/82 - 5/31/82	1.1	75.2	29.5
		6/01/82 - 6/30/82	1.5	76.7	29.5
		7/01/82 - 7/31/82	0.5	77.2	30.2
		8/01/82 - 8/31/82	0.3	77.5	30.2
		9/01/82 - 9/30/82	6.0	83.5	30.9
Marlette Lake	8,000	5/01/82 - 5/31/82	0.8	50.4	21.7
		6/01/82 - 6/30/82	3.3	53.7	21.7
		7/01/82 - 7/31/82	0.1	53.8	21.7
		8/01/82 - 8/31/82	0.3	54.1	21.8
		9/01/82 - 9/30/82	5.6	59.7	22.6
Mt. Rose	9,000	5/01/82 - 5/31/82	0.6	50.4	20.7
		6/01/82 - 6/30/82	2.4	52.8	21.4
		7/01/82 - 7/31/82	1.4	54.2	21.4
		8/01/82 - 8/31/82	0.4	54.6	21.4
		9/01/82 - 9/30/82	5.8	60.4	21.9
Mt. Rose Ski Area	8,850	5/01/82 - 5/31/82	1.1	88.4	35.8
		6/01/82 - 6/30/82	2.7	91.1	35.8
		7/01/82 - 7/31/82	0.3	91.4	35.8
		8/01/82 - 8/31/82	0.4	91.8	35.8
		9/01/82 - 9/30/82	5.9	97.7	36.4
Rubicon #2 (CA)	7,500	5/01/82 - 5/31/82	0.4	72.4	26.8
		6/01/82 - 6/30/82	0.9	73.3	26.8
		7/01/82 - 7/31/82	0.0	73.3	26.8
		8/01/82 - 8/31/82	1.0	74.3	26.8
		9/01/82 - 9/30/82	6.0	80.3	27.6
SNOTEL Provisional					

PRECIPITATION (Inches)

BASIN AND PRECIPITATION GAGE LOCATION	ELEVATION	PERIOD OF MEASUREMENT	CURRENT RECORD		PAST RECORD
			ACCUM. PRECIP. FOR THE PERIOD	ACCUM. PRECIP. SINCE 10/1/81	ACCUM. PRECIP. PREVIOUS YEAR
TAHOE-TRUCKEE (contd.)					
Squaw Valley Gold Coast (CA)	7,800	5/01/82 - 5/31/82	0.8	121.7	40.0
		6/01/82 - 6/30/82	3.0	124.7	40.5
		7/01/82 - 7/31/82	0.2	124.9	40.5
		8/01/82 - 8/31/82	0.5	125.4	40.5
		9/01/82 - 9/30/82	8.2	133.6	41.6
Tahoe City Cross (CA)	6,750	5/01/82 - 5/31/82	0.5	66.4	24.2
		6/01/82 - 6/30/82	2.0	68.4	24.5
		7/01/82 - 7/31/82	0.3	68.7	24.5
		8/01/82 - 8/31/82	0.4	69.1	24.5
		9/01/82 - 9/30/82	4.8	73.9	24.9
Truckee #2 (CA)	6,400	5/01/82 - 5/31/82	0.8	60.0	21.3
		6/01/82 - 6/30/82	1.1	61.1	21.4
		7/01/82 - 7/31/82	0.4	61.5	21.4
		8/01/82 - 8/31/82	0.1	61.6	21.4
		9/01/82 - 9/30/82	4.4	66.0	21.9
Ward Creek #3 (CA)	6,750	5/01/82 - 5/31/82	0.4	121.1	40.6
		6/01/82 - 6/30/82	1.7	122.8	40.7
		7/01/82 - 7/31/82	0.0	122.8	40.7
		8/01/82 - 8/31/82	0.3	123.1	40.7
		9/01/82 - 9/30/82	7.1	130.2	41.6
CARSON-WALKER					
Blue Lakes (CA)	8,000	5/01/82 - 5/31/82	0.5	70.0	32.9
		6/01/82 - 6/30/82	2.1	72.1	33.0
		7/01/82 - 7/31/82	0.0	72.1	33.0
		8/01/82 - 8/31/82	0.7	72.8	33.0
		9/01/82 - 9/30/82	6.0	78.8	34.2
Ebbetts Pass (CA)	8,700	5/01/82 - 5/31/82	0.9	79.8	38.3
		6/01/82 - 6/30/82	1.5	81.3	38.3
		7/01/82 - 7/31/82	1.2	82.5	38.3
		8/01/82 - 8/31/82	1.1	83.6	38.3
		9/01/82 - 9/30/82	6.0	89.6	38.8
Leavitt Meadows (CA)	7,200	5/01/82 - 5/31/82	0.4	48.7	21.7
		6/01/82 - 6/30/82	2.1	50.8	21.8
		7/01/82 - 7/31/82	0.7	51.5	21.9
		8/01/82 - 8/31/82	0.5	52.0	22.1
		9/01/82 - 9/30/82	3.4	55.4	23.1
Lobdell Lake (CA)	9,200	5/01/82 - 5/31/82	0.5	31.3	19.1
		6/01/82 - 6/30/82	3.7	35.0	19.5
		7/01/82 - 7/31/82	1.2	36.2	19.7
		8/01/82 - 8/31/82	0.6	36.8	19.7
		9/01/82 - 9/30/82	2.8	39.6	20.2
Pine Nut Creek (CA)	6,000	4/30/82 - 9/30/82	2.3	15.6	8.4
Poison Flat (CA)	7,900	5/01/82 - 5/31/82	1.0	50.3	20.6
		6/01/82 - 6/30/82	2.5	52.8	20.6
		7/01/82 - 7/31/82	0.7	53.5	20.6
		8/01/82 - 8/31/82	0.5	54.0	21.0
		9/01/82 - 9/30/82	3.7	57.7	21.4
Sonora Pass Bridge (CA)	8,800	5/01/82 - 5/31/82	0.8	57.6	25.9
		6/01/82 - 6/30/82	3.0	60.6	26.1
		7/01/82 - 7/31/82	0.2	60.8	26.1
		8/01/82 - 8/31/82	1.3	62.1	26.1
		9/01/82 - 9/30/82	4.7	66.8	27.0
Spratt Creek (CA)	6,080	5/01/82 - 5/31/82	0.8	51.0	21.2
		6/01/82 - 6/30/82	2.1	53.1	21.2
		7/01/82 - 7/31/82	0.9	54.0	21.2
		8/01/82 - 8/31/82	0.7	54.7	21.2
		9/01/82 - 9/30/82	4.2	58.9	22.6
SNOTEL Provisional					

PRECIPITATION (inches)

BASIN AND PRECIPITATION GAGE LOCATION	ELEVATION	CURRENT RECORD			PAST RECORD
		PERIOD OF MEASUREMENT	ACCUM. PRECIP. FOR THE PERIOD	ACCUM. PRECIP. SINCE 10/1/81	ACCUM. PRECIP. PREVIOUS YEAR
CARSON-WALKER (contd.)					
Virginia Lakes Ridge (CA)	9,200	5/01/82 - 5/31/82	0.5	36.6	20.8
		6/01/82 - 6/30/82	2.3	28.9	21.1
		7/01/82 - 7/31/82	0.1	29.0	21.1
		8/01/82 - 8/31/82	1.2	40.2	21.1
		9/01/82 - 9/30/82	4.1	44.3	21.1
Wet Meadows #2 (CA)	8,050	5/01/82 - 5/31/82	0.5	70.7	31.5
		6/01/82 - 6/30/82	2.3	73.0	31.7
		7/01/82 - 7/31/82	0.1	73.1	31.8
		8/01/82 - 8/31/82	0.7	73.8	31.8
		9/01/82 - 9/30/82	5.8	79.6	32.6
HUMBOLDT					
Big Creek Summit	8,700	5/01/82 - 5/31/82	1.9	20.1	17.3
		6/01/82 - 6/30/82	1.7	21.8	17.7
		7/01/82 - 7/31/82	1.3	23.1	17.7
		8/01/82 - 8/31/82	2.1	25.2	17.9
		9/01/82 - 9/30/82	5.7	30.9	17.9
Buckskin, Lower	6,700	5/01/82 - 5/31/82	1.9	28.3	17.6
		6/01/82 - 6/30/82	2.1	30.4	18.6
		7/01/82 - 7/31/82	2.1	32.5	19.6
		8/01/82 - 8/31/82	0.5	33.0	19.6
		9/01/82 - 9/30/82	2.9	35.9	20.3
Corral Canyon	8,500	5/01/82 - 5/31/82	2.1	28.3	21.0
		6/01/82 - 6/30/82	0.6	28.9	21.8
		7/01/82 - 7/31/82	0.8	29.7	21.8
		8/01/82 - 8/31/82	0.8	30.5	22.1
		9/01/82 - 9/30/82	8.0	38.5	23.0
Dorsey Basin	8,100	5/01/82 - 5/31/82	1.6	32.0	21.0
		6/01/82 - 6/30/82	1.0	33.0	21.4
		7/01/82 - 7/31/82	1.3	34.3	21.7
		8/01/82 - 8/31/82	0.9	35.2	21.7
		9/01/82 - 9/30/82	7.5	42.7	22.2
Fry Canyon	6,700	4/27/82 - 7/14/82	4.5	31.5	16.0
		7/15/82 - 9/27/82	4.6	36.1	17.0
Granite Peak	7,800	5/01/82 - 5/31/82	1.7	33.6	20.6
		6/01/82 - 6/30/82	2.4	36.0	21.7
		7/01/82 - 7/31/82	1.2	37.2	22.5
		8/01/82 - 8/31/82	0.0	37.2	22.6
		9/01/82 - 9/30/82	4.0	41.2	23.5
Green Mountain	8,000	5/01/82 - 5/31/82	1.7	30.0	19.8
		6/01/82 - 6/30/82	1.1	31.1	20.8
		7/01/82 - 7/31/82	1.4	32.5	21.5
		8/01/82 - 8/31/82	1.0	33.5	21.7
		9/01/82 - 9/30/82	7.1	40.6	22.3
Lamance Creek	6,000	5/01/82 - 5/31/82	0.6	31.7	16.8
		6/01/82 - 6/30/82	2.1	33.8	17.4
		7/01/82 - 7/31/82	1.9	35.7	17.7
		8/01/82 - 8/31/82	0.1	35.8	17.7
		9/01/82 - 9/30/82	2.7	38.5	18.6
Lamoille #3	7,700	5/01/82 - 5/31/82	2.1	30.6	18.0
		6/01/82 - 6/30/82	0.9	31.5	18.6
		7/01/82 - 7/31/82	0.5	32.0	18.6
		8/01/82 - 8/31/82	0.7	32.7	19.1
		9/01/82 - 9/30/82	10.4	43.1	20.3
Martin Creek	6,700	7/13/82 - 9/22/82	5.5	42.1+	20.0
Midas	7,200				11.5
Rodeo Flat	6,800	4/27/82 - 7/14/82	6.3	29.5	----
		7/15/82 - 9/28/82	4.0	33.5	----
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PRECIPITATION (Inches)

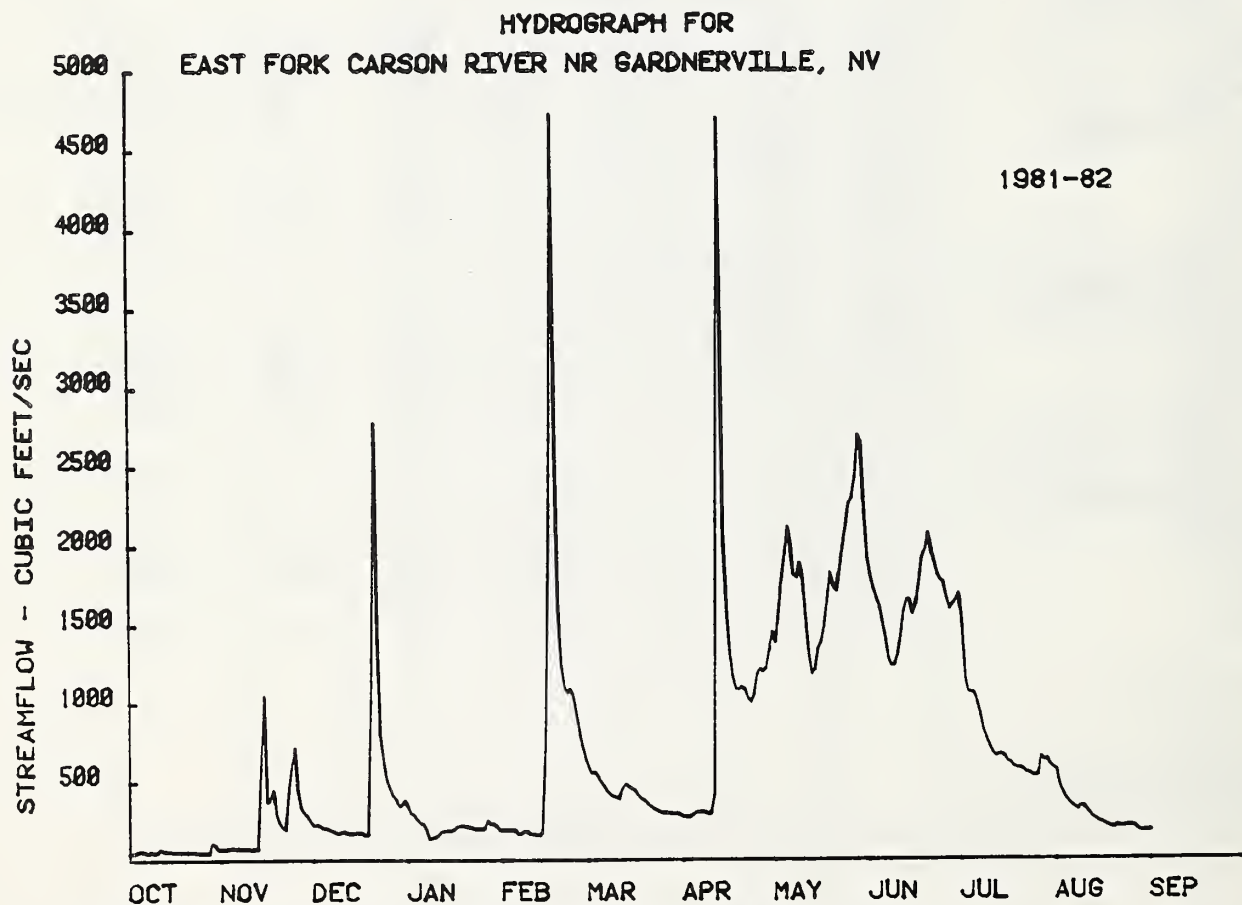
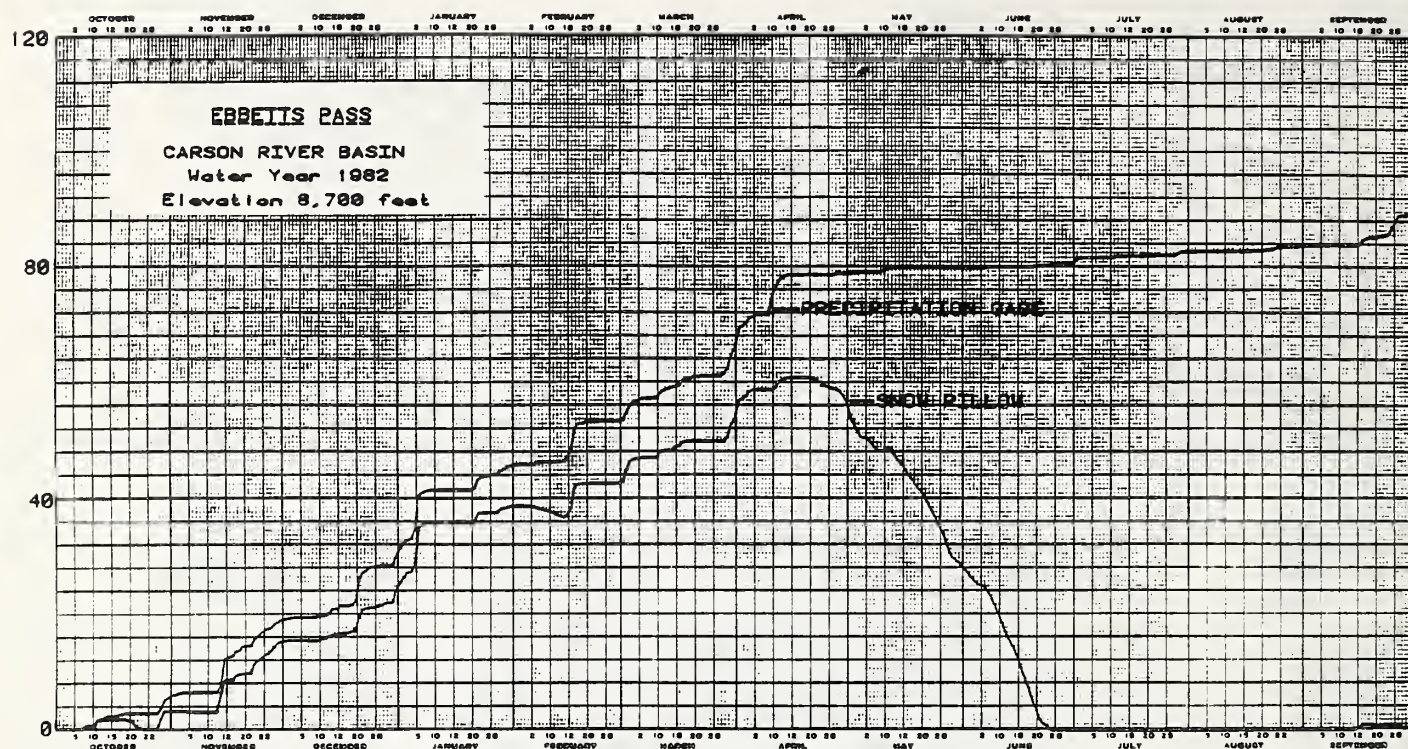
BASIN AND PRECIPITATION GAGE LOCATION	ELEVATION	CURRENT RECORD			PAST RECORD
		PERIOD OF MEASUREMENT	ACCUM. PRECIP. FOR THE PERIOD	ACCUM. PRECIP. SINCE 10/1/81	ACCUM. PRECIP. PREVIOUS YEAR
<u>HUMBOLDT (contd.)</u>					
Trout Creek, Lower	6,900	4/03/82 - 9/28/82	15.3+	34.8+	30.9
<u>SNAKE-OWYHEE</u>					
Bear Creek	7,800	5/01/82 - 5/31/82	2.5	36.8	24.7
		6/01/82 - 6/30/82	1.8	38.6	25.7
		7/01/82 - 7/31/82	1.9	40.5	26.1
		8/01/82 - 8/31/82	0.8	41.3	26.1
		9/01/82 - 9/30/82	5.6	46.9	26.8
Big Bend	6,700	5/01/82 - 5/31/82	1.7	20.4	12.4
		6/01/82 - 6/30/82	2.0	22.4	12.7
		7/01/82 - 7/31/82	1.7	24.1	12.7
		8/01/82 - 8/31/82	0.3	24.4	12.7
		9/01/82 - 9/30/82	3.2	27.6	13.0
Boies Reservoir	5,800	1/25/82 - 9/28/82	8.0	9.0	3.5
Fawn Creek	7,000	5/01/82 - 5/31/82	2.7	37.1	25.5
		6/01/82 - 6/30/82	1.6	38.7	25.9
		7/01/82 - 7/31/82	2.0	40.7	25.9
		8/01/82 - 8/31/82	0.5	41.2	25.9
		9/01/82 - 9/30/82	3.4	44.6	26.4
Goat Creek	8,800	5/01/82 - 5/31/82	2.4	36.2	19.6
		6/01/82 - 6/30/82	1.9	38.1	20.8
		7/01/82 - 7/31/82	1.4	39.5	20.8
		8/01/82 - 8/31/82	0.5	40.0	21.0
		9/01/82 - 9/30/82	6.0	46.0	21.6
Jack Creek #2, Upper	7,250	5/01/82 - 5/31/82	0.8	33.0	21.0
		6/01/82 - 6/30/82	1.6	34.6	21.5
		7/01/82 - 7/31/82	1.4	36.0	21.5
		8/01/82 - 8/31/82	0.6	36.6	21.5
		9/01/82 - 9/26/82	3.5	40.1	22.5
Jacks Peak	8,420	5/01/82 - 5/31/82	1.7	43.8	28.1
		6/01/82 - 6/30/82	2.1	45.9	28.1
		7/01/82 - 7/31/82	3.2	49.1	28.1
		8/01/82 - 8/31/82	0.5	49.6	28.1
		9/01/82 - 9/30/82	5.1	54.7	29.1
Laurel Draw	6,700	5/01/82 - 5/31/82	1.1	29.4	18.4
		6/01/82 - 6/30/82	0.7	30.1	19.7
		7/01/82 - 7/31/82	1.4	31.5	19.7
		8/01/82 - 8/31/82	0.6	32.1	19.9
		9/01/82 - 9/30/82	3.5	35.6	21.1
Pole Creek Ranger Station	8,330	5/01/82 - 5/31/82	1.6	21.7	12.0
		6/01/82 - 6/30/82	2.6	24.3	12.7
		7/01/82 - 7/31/82	1.6	25.9	13.0
		8/01/82 - 8/31/82	0.7	26.6	13.6
		9/01/82 - 9/30/82	4.2	30.8	14.5
Seventy Six Creek	7,100	5/01/82 - 5/31/82	1.6	23.4	13.3
		6/01/82 - 6/30/82	2.0	25.4	13.9
		7/01/82 - 7/31/82	1.6	27.0	14.3
		8/01/82 - 8/31/82	0.6	27.6	14.6
		9/01/82 - 9/30/82	3.4	31.0	15.3
Taylor Canyon	6,300	5/01/82 - 5/31/82	1.8	13.8	7.6
		6/01/82 - 6/30/82	0.8	14.6	7.6
		7/01/82 - 7/31/82	0.7	15.3	7.6
		8/01/82 - 8/31/82	0.3	15.6	7.6
		9/01/82 - 9/24/82	4.2	19.8	7.6
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PRECIPITATION (Inches)

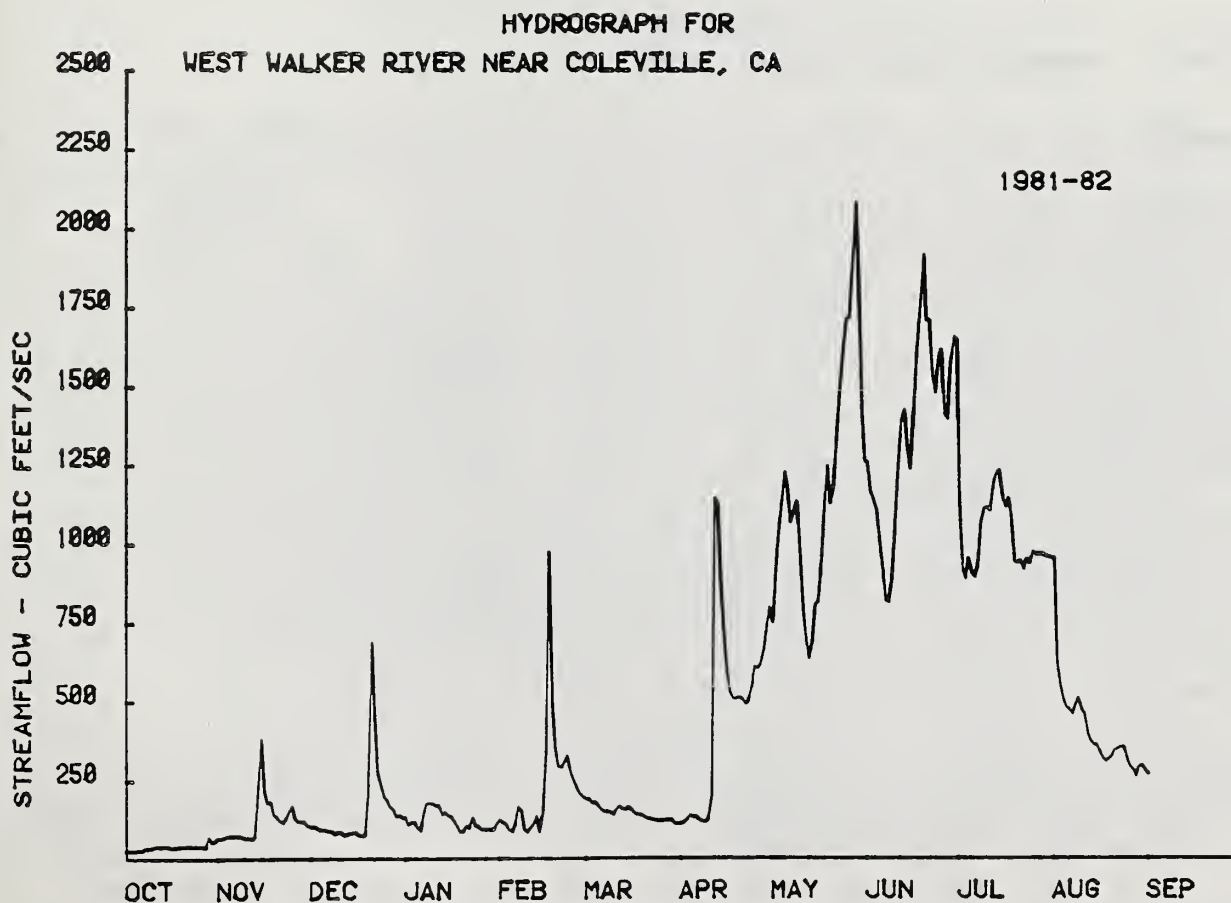
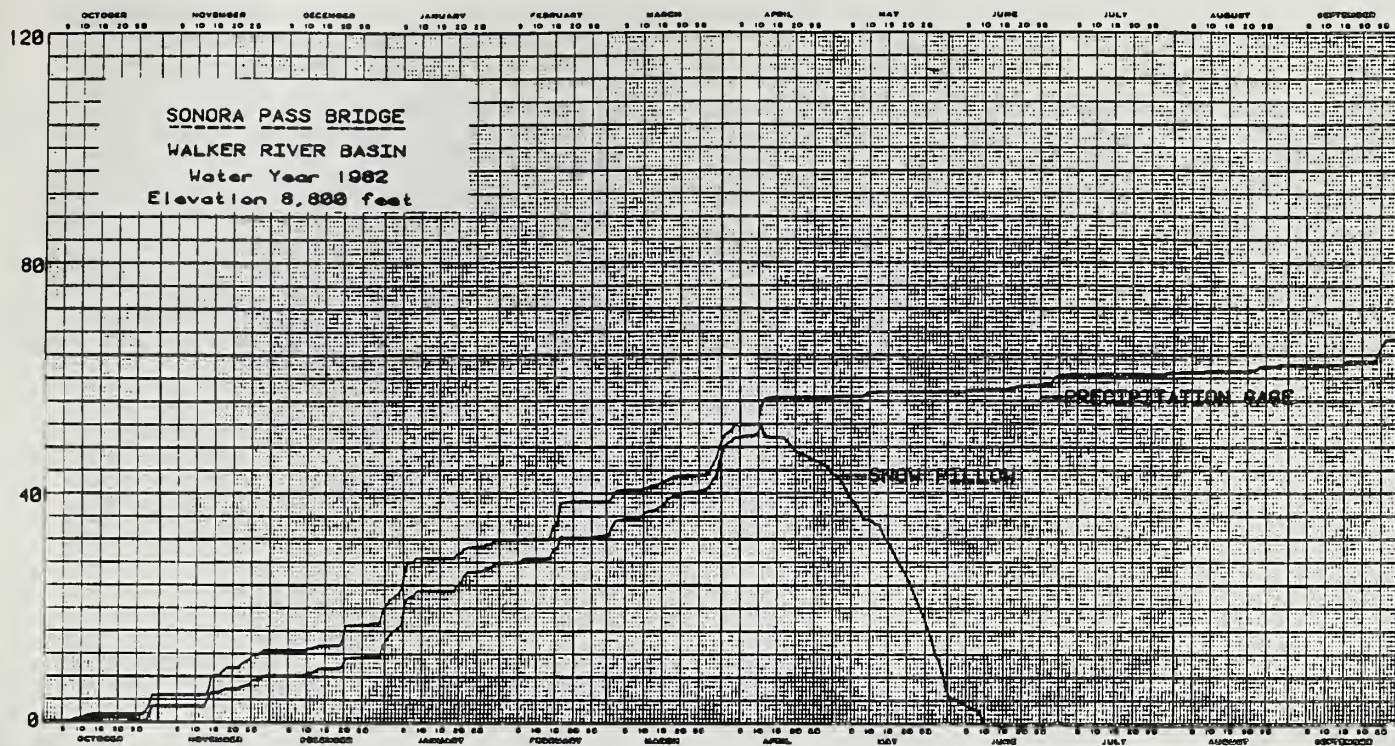
BASIN AND PRECIPITATION GAGE LOCATION	ELEVATION	PERIOD OF MEASUREMENT	CURRENT RECORD		PAST RECORD
			ACCUM. PRECIP. FOR THE PERIOD	ACCUM. PRECIP. SINCE 10/1/81	ACCUM. PRECIP. PREVIOUS YEAR
EASTERN NEVADA					
Berry Creek	9,100	5/01/82 - 5/31/82	3.3	26.9	19.3
		6/01/82 - 6/30/82	1.0	27.9	20.4
		7/01/82 - 7/31/82	2.7	30.6	20.6
		8/01/82 - 8/31/82	0.7	31.3	20.8
		9/01/82 - 9/30/82	9.5	40.8	21.6
Hole-in-Mountain	7,900	3/24/82 - 5/19/82	1.4	43.2	15.2
		5/19/82 - 6/30/82	1.0	44.2	18.9
		7/01/82 - 7/31/82	2.3	46.5	19.2
		8/01/82 - 8/31/82	0.8	47.3	19.2
		9/01/82 - 9/30/82	9.1	56.4	19.9
Ward Mountain	8,900	5/01/82 - 5/31/82	2.9	27.4	19.4
		6/01/82 - 6/30/82	0.4	27.8	20.0
		7/01/82 - 7/31/82	2.0	29.8	20.7
		8/01/82 - 8/31/82	1.1	30.9	20.7
		9/01/82 - 9/30/82	8.1	39.0	22.1
NORTHERN GREAT BASIN					
Cedar Pass (CA)	7,100	5/01/82 - 5/31/82	0.8	38.6	23.9
		6/01/82 - 6/30/82	2.8	41.4	25.4
		7/01/82 - 7/31/82	0.7	42.1	26.1
		8/01/82 - 8/31/82	0.4	42.5	26.1
		9/01/82 - 9/30/82	2.9	45.4	26.9
Disaster Peak	6,500	5/01/82 - 5/31/82	0.3	24.9	13.2
		6/01/82 - 6/30/82	2.1	27.0	13.7
		7/01/82 - 7/31/82	1.0	28.0	14.1
		8/01/82 - 8/31/82	0.0	28.0	14.1
		9/01/82 - 9/30/82	2.7	30.7	14.4
Dismal Swamp #2 (CA)	7,050	5/01/82 - 5/31/82	1.0	59.9	31.8
		6/01/82 - 6/30/82	4.1	64.0	33.6
		7/01/82 - 7/31/82	0.5	64.5	33.9
		8/01/82 - 8/31/82	0.9	65.4	33.9
		9/01/82 - 9/30/82	2.4	67.8	35.3
Ferguson Ranch	5,560	4/30/82 - 6/04/82	1.0	11.0	----
		6/05/82 - 7/02/82	0.6	11.6	----
		7/03/82 - 7/29/82	0.6	12.2	----
		7/30/82 - 9/30/82	1.5	13.7	----
Forty Nine Mountain	6,000	4/30/82 - 6/04/82	1.1	16.1	11.5
		6/05/82 - 7/02/82	1.2	17.3	14.3
		7/03/82 - 7/29/82	0.5	17.8	14.4
		7/30/82 - 9/30/82	0.8	18.6	16.8
Mt. Bidwell	7,240	3/24/82 - 8/11/82	14.4	56.8	30.5
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PRECIPITATION (Inches) for September 1982 - NATIONAL WEATHER SERVICE, RENO, NEVADA

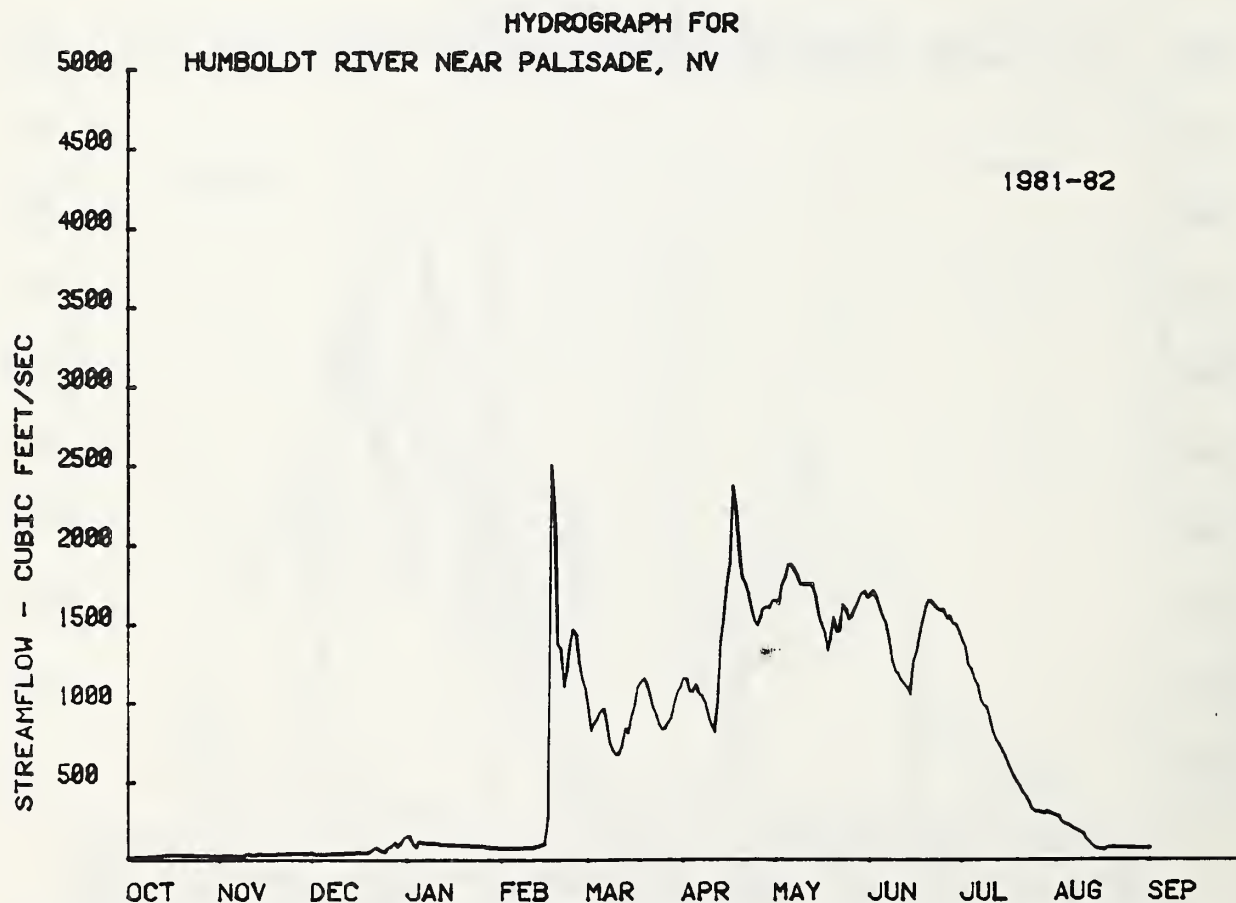
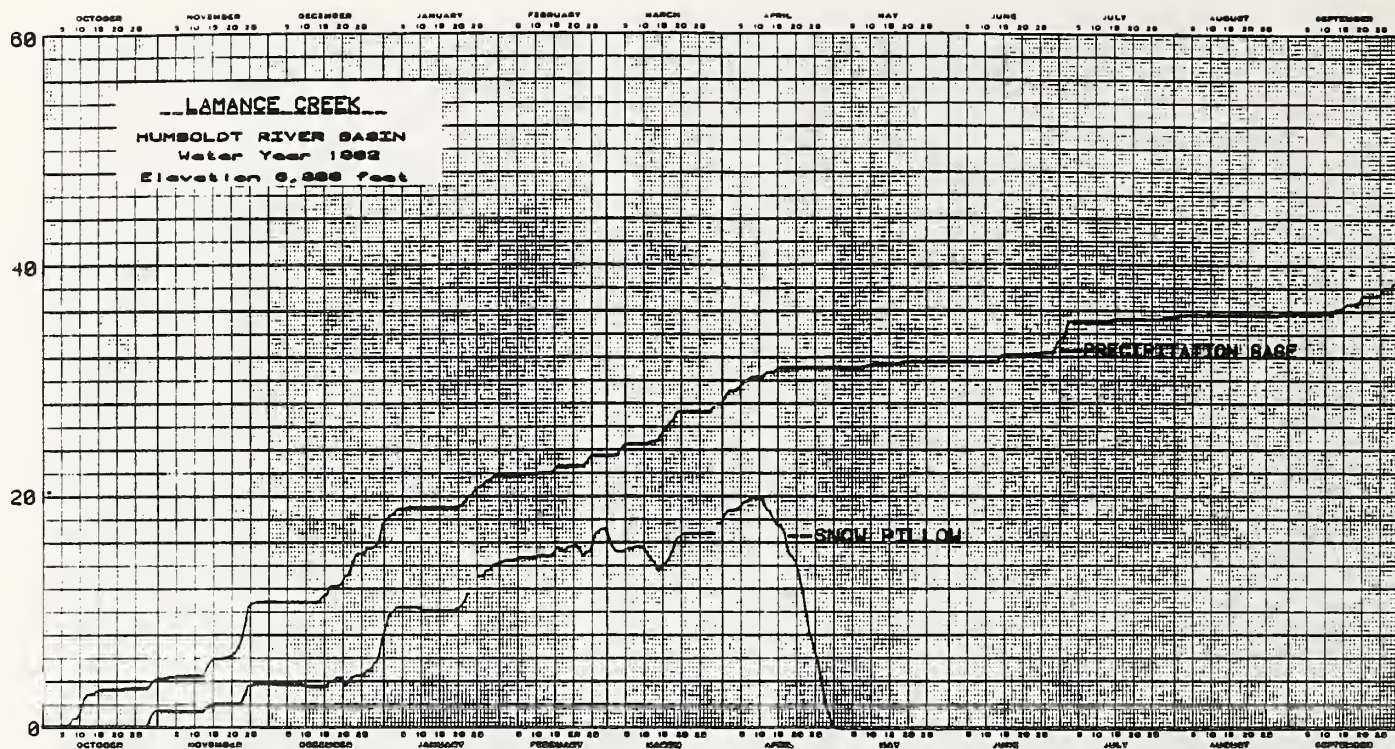
DRAINAGE BASIN and PRECIPITATION GAGE LOCATION		ELEVATION	CURRENT INFORMATION					
			Month's Precip.	Last Year	*Normal	This Year	Last Year	*Normal
<u>TRUCKEE-TAHOE</u>								
Boca	5,575	4.17	.47	.37	43.29	13.35	22.29	
Glenbrook	6,350	4.06	.51	.46	35.84	12.12	18.10	
Incline Village	6,550	4.34	.26	.58	46.47	13.96	22.05	
Reno	4,404	2.31	.07	.23	10.51	3.89	7.20	
Sierraville	4,975	4.17	.53	.39	52.91	14.57	27.29	
Tahoe City	6,230	4.78	.51	.42	69.21	21.55	33.13	
Truckee Ranger Station	5,995	4.05	.52	.37	57.23	19.00	32.82	
<u>CARSON-WALKER</u>								
Bridgeport Ranger Station	6,560	1.81	.25	.43	14.61	7.92	11.77	
Carson City	4,651	2.92	.21	.28	18.45	6.23	11.50	
Fallon Experiment Station	3,965	1.41	.02	.25	6.67	3.00	4.72	
Hawthorne	4,215	1.06	.26	.14	5.63	5.69	4.04	
Minden	4,720	1.67	.06	.21	12.57	3.91	8.51	
Twin Lakes	7,829	4.85	1.15	.73	76.08	30.91	15.13	
Woodfords	5,971	*	.44	.57	*	11.95	20.69	
Yerington	4,375	.71	.13	.28	6.33	3.60	5.46	
<u>HUMBOLDT</u>								
Austin	6,605	2.21	.10	.45	15.44	10.80	11.90	
Battle Mountain	4,530	2.00	.93	.29	5.51	6.60	7.56	
Deeth	5,338	3.85	.41	.44	17.44	6.88	9.25	
Elko	5,075	2.55	.13	.34	13.45	5.32	9.78	
Emigrant Pass	5,755	2.67	.20	.34	14.36	7.49	11.50	
Jiggs	5,760	5.67	.32	.47	17.60	9.68	11.55	
Lamoille	5,800	6.75	.29	.70	22.98	10.64	18.61	
Lovelock FAA	3,900	.68	.30	.28	6.45	3.66	4.88	
North Fork	6,600	*	.97	.31	*	10.03	9.52	
Paradise Valley	4,675	2.07	.21	.30	15.12	5.63	9.31	
Wells	5,650	4.22	.19	.46	17.94	5.49	10.58	
Winnemucca	4,301	1.08	.23	.28	10.03	5.36	8.47	
<u>SNAKE-OWYHEE</u>								
Contact	5,365	2.61	.13	.51	15.04	5.47	8.33	
Mountain City	5,620	2.32	.68	*	15.71	3.69	*	
Owyhee	6,491	1.55	.53	.57	16.79	11.88	14.71	
Tuscarora	6,170	2.44	.48	.56	21.71	8.29	13.89	
<u>EASTERN NEVADA</u>								
Arthur	6,280	5.35	.62	.57	23.05	8.22	14.88	
Ely	6,253	4.99	.36	.61	16.96	8.24	8.70	
Montello	4,880	5.02	.12	.37	12.21	3.80	7.17	
Pequop	6,030	6.42	.68	*	22.16	4.92	*	
Ruby Lake	6,012	4.95	.26	.54	20.12	6.70	12.40	
<u>NORTHERN GREAT BASIN</u>								
Alturas Ranger Station	4,400	.47	.66	.33	14.27	8.45	13.27	
Cedarville	4,670	.77	.51	.31	16.89	9.73	14.20	
Ft. Bidwell	4,498	.83	.13	.39	22.42	13.60	15.64	
Orovada	4,310	1.54	.23	.32	12.65	8.00	11.22	
Susanville	4,148	2.41	.41	.32	21.84	8.14	14.49	
<u>CENTRAL GREAT BASIN</u>								
Tonopah	5,426	.36	.12	.35	5.71	5.57	4.20	
<u>LOWER COLORADO RIVER</u>								
Caliente	4,402	2.40	1.13	.52	6.72	9.48	8.72	
Las Vegas	2,162	.07	.25	.27	3.07	2.75	3.76	
Pioche	6,165	3.43	.93	.64	15.25	10.73	13.12	
Bishop	4,118	.74	.03	.10	7.69	4.43	5.72	
* Not Available								
T Trace								
Normals are for 30 year period of 1941-1970.								



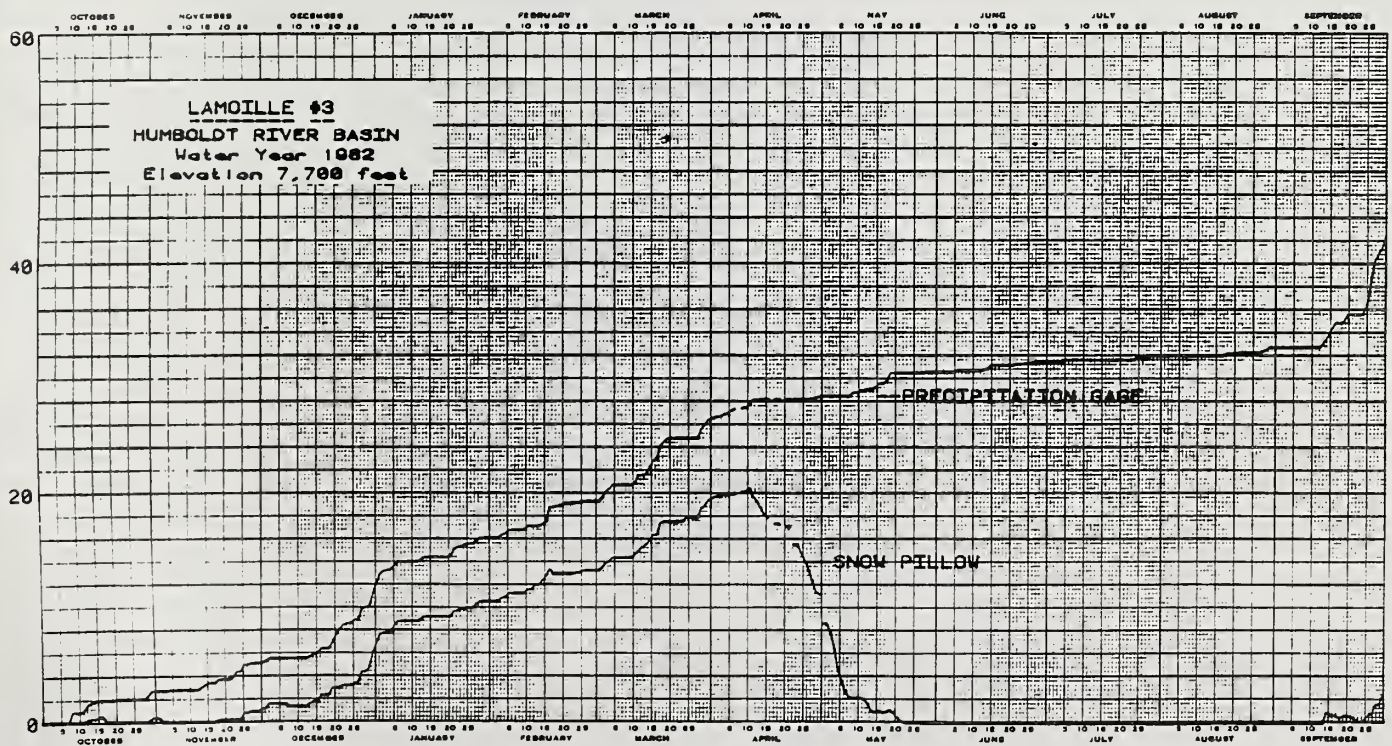
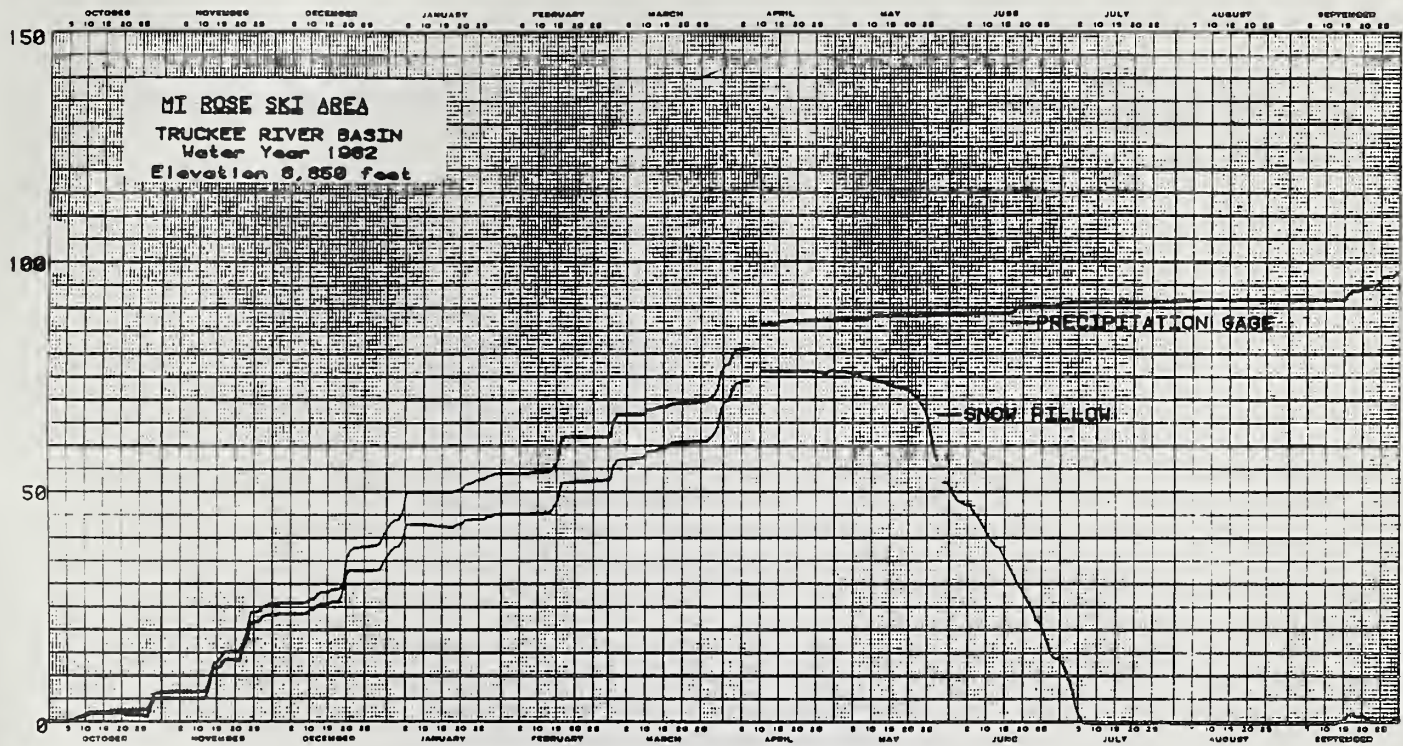
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AGENCIES COOPERATING IN COLLECTING DATA CONTAINED IN THIS BULLETIN

FEDERAL

Agricultural Research Service
Bureau of Reclamation
Fish and Wildlife Service
Forest Service
Geological Survey
Soil Conservation Service
U. S. District Court - Federal Water Master
NOAA, National Weather Service

STATE

California Cooperative Snow Surveys
California Department of Parks and Recreation
California Department of Water Resources
Colorado River Commission of Nevada
Idaho Cooperative Snow Surveys
Nevada Association of Conservation Districts
Nevada Department of Conservation & Natural Resources
 Division of Water Resources
 Nevada State Forester
Oregon Cooperative Snow Surveys
University of Nevada, Desert Research Institute
Utah Cooperative Snow Surveys
White Mountain Research Station, Univ. of California

PRIVATE

Amalgamated Sugar Company
Kennecott Copper Corporation
Nevada Irrigation District
Owyhee Project North Board of Control
Owyhee Project South Board of Control
Pacific Gas and Electric Company
Pershing County Water Conservation District
Sierra Pacific Power Company
Truckee - Carson Irrigation District
Walker River Irrigation District
Washoe County Water Conservancy District

Other organizations and individuals furnish valuable information for the snow survey reports. Their cooperation is gratefully acknowledged.

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